

PAIR TRACKSIDE COMMUNICATION CABLES FOR TUNNEL OR UNDERGROUND LOCATIONS – LUL STANDARD



Telecommunications cable



UV resistant



Flame retardant



Low smoke emission



Zero halogen



ROHS compliant

STANDARDS

LUL G-7621 A2. Type 2.

DESCRIPTION AND APPLICATION

Telecommunication cables in railway installations from 1 to 3 pairs, diameters of 0.63 and 0.9 mm, insulated with cellular polyethylene and protected with LSOH violet material sheath, UV resistant, for tunnels or underground locations. These cables shall be designed for installation in trackside and for use within railway equipment rooms. The cables are not intended for use in either trackside where submersion in water is a possibility, not for being laid directly on ballast.

CONSTRUCTION

- **Conductors:** Annealed copper, diameter of 0.63 and 0.9 mm.
- **Insulation:** Cellular polyethylene.
- **Lay-up:** Pairs.
- **Core wrapping.** Longitudinal dielectric tape applied with overlap.
- **Sheath:** LSZH material, UV resistant, violet colour.
- **Sheath marking:** The outer sheath shall be marked at regular intervals with the following information:
 - *Name of Manufacturer / year / Length markings*
 - *Other type of markings is also possible according to the customer.*



ELECTRICAL CHARACTERISTICS (20°C)	0,63	0,91
<i>Maximum conductor Resistance (Ω/km)</i>		
• Average value	57,5	28
• Maximum value	59	29
<i>Minimum insulation resistance (MΩxkm, 15°C, 500 V)</i>	1500	
<i>Maximum mutual capacitance (nF/km, 800 Hz)</i>	59	
<i>Capacitance unbalance (pF/460m, 800 Hz)</i>		
• Pair-pair	100	
• Pair-Earth	1200	

All drawings, designs, specifications and particulars of weights, dimensions, etc. in this documentation are only indicative and must not be considered contractual.

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MECHANICAL CHARACTERISTICS

Temperature range: from -25° C to +75° C

Minimum bending radius: $12 \times R_{\text{cable}}$

DIMENSIONS AND WEIGHTS

Diameter : 0.63 mm					
Code	# pairs	Cable Diam. (mm)	Approx Weight. (kg/km)	Length (m)	Drum
EA1202F63000102N	1	5.9	38	2000	08
EA1202F63000302N	3	7.2	71	2000	08

Diameter : 0.90 mm					
Code	# pairs	Cable Diam. (mm)	Approx Weight. (kg/km)	Length (m)	Drum
EA1202F90000102N	1	6.8	58	2000	08
EA1202F90000302N	3	9.4	106	2000	A0

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